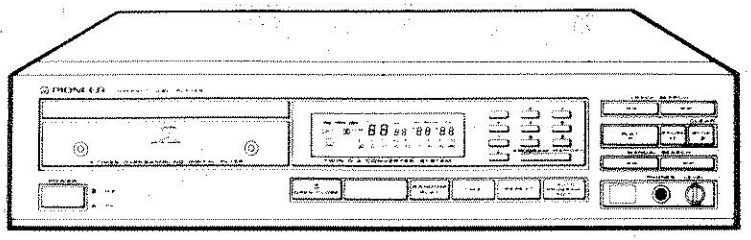
Operating Instructions

COMPACT DISC PLAYER

PD-5100

COMPACT disc DIGITAL AUDIO



Thank you for buying this Pioneer product.
Please read through these operating instructions so you will know how to operate your model properly. After you have finished reading the instructions, put them away in a safe place for future reference.
In some countries or regions, the shape of the power plug and power outlet may sometimes differ from that shown in the explanatory drawings. However, the method of connecting and operating the unit is the same.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

IMPORTANT NOTICE
[For U.S. and Canadian models]

The serial number for this equipment is located on the rear panel. Please write this serial number on your enclosed warranty card and keep it in a secure area. This is for your security.

[For Canadian model]

CAUTION: TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

ATTENTION: POUR PREVENIR LES CHOCS ELECTRIQUES NE PAS UTILISER CETTE FICHE POLARISEE AVEC UN PROLONGATEUR UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ETRE INSEREES A FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVERT.

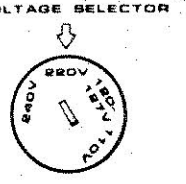
"This product is manufactured to comply with the radio interference requirements of EEC Directive 76/889/EEC and 82/499/EEC."

LINE VOLTAGE SELECTOR SWITCH

Only multi-voltage models are provided with this switch. U.S., Canadian, European, U.K., and Australian models are not provided with this switch.
Mains voltages in Saudi Arabia are 127V and 220V only. Never use this model with 110V setting in Saudi Arabia.

The line voltage selector switch is located on the rear panel of this player. Before your player is shipped from the factory, the switch is set to the power requirements of the player's destination. Check that it is set properly before plugging the power cord into the outlet. If the voltage is not properly set or if you move to an area where the voltage requirements differ, adjust the selector switch as follows:

- Use a medium-sized (flat-blade) screwdriver. Insert the tip of the screwdriver into the groove of the selector switch and turn it so that the power voltage marking of your area points to the arrow.



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The future of sound and vision.

IMPORTANT 1

The lightning flash with arrowhead, within an equilateral triangle, is intended to alert the user of the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION
TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

IMPORTANT 2

If the apparatus is fitted with AC mains power outlet(s) (see REAR PANEL FACILITIES for convenient connection of additional Hi-Fi component(s). Make all connections to the AC outlet(s) and the signal terminals first. Connect the plug to the wall socket last, make sure that the power switch is off.

FOR USE IN THE UNITED KINGDOM

The wires in this mains lead are coloured in accordance with the following code:

Blue	Neutral
Brown	Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured marking identifying the terminals in your plug, proceed as follows:

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

Equipment sold in the U.K. is not supplied with a power plug.

SAFETY INSTRUCTIONS

READ INSTRUCTIONS — All the safety and operating instructions should be read before the appliance is operated.

RETAIN INSTRUCTIONS — The operating instructions should be retained for future reference.

HEED WARNING — All warnings on the appliance and in the operating instructions should be adhered to.

FOLLOW INSTRUCTIONS — All operating and use instructions should be followed.

WATER AND MOISTURE — The appliance should not be used near water — for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.

LOCATION — The appliance should be installed in a stable location.

WALL OR CEILING MOUNTING — The appliance should not be mounted to a wall or ceiling.

VENTILATION — The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.

HEAT — The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

POWER SOURCES — The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

POWER-CORD PROTECTION — Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

POLARIZATION — If your purchased product is provided with a polarized power plug, please read the following instructions. This product is equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

CLEANING — The appliance should be cleaned only with a polishing cloth or a soft dry cloth. Never clean with furniture wax, benzine, insecticides or other volatile liquids since they may corrode the cabinet.

POWER LINES — An outdoor antenna should be located away from power lines.

NONUSE PERIODS — The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

OBJECT AND LIQUID ENTRY — Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

DAMAGE REQUIRING SERVICE — The appliance should be serviced by a Pioneer authorized service center or qualified service personnel when:

- The power-supply cord or the plug has been damaged; or
- Objects have fallen, or liquid has been spilled into the appliance; or
- The appliance has been exposed to rain; or
- The appliance does not appear to operate normally or exhibits a marked change in performance; or
- The appliance has been dropped, or the enclosure damaged.

SERVICING — The user should not attempt to service the appliance beyond that described in the operating instructions. For all other servicing, contact the nearest Pioneer authorized service center.

OUTDOOR ANTENNA GROUNDING — If an outside antenna is connected to the antenna terminal, be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges.

In the U.S.A., section 810 of the National Electrical Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Fig. A.

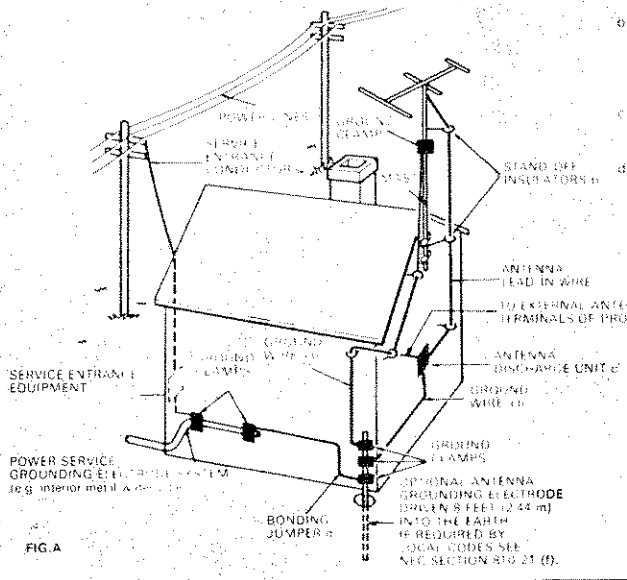

FIG.A

a) Use No. 10 AWG (5.3 mm²) copper, No. 8 AWG (8.4 mm²) aluminum, No. 17 AWG (1.0 mm²) coppercad steel, bronze wire or larger as ground wire.

b) Secure antenna lead-in and ground wires to house with stand-off insulators spaced from 4 feet (1.22 meters) to 6 feet (1.83 meters) apart.

c) Mount antenna discharge unit as closely as possible to where lead-in wires enter house.

d) Use jumper wire not smaller than No.6 AWG (13.3 mm²) copper, or the equivalent, when a separate antenna grounding electrode is used.
See NEC Section 810-21 (j).

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[FOR EUROPEAN AND U.K. MODELS]

CAUTION

This product contains a laser diode of higher class than 1. To ensure continued safety, do not remove any covers or attempt to gain access to the inside of the product.
Refer all servicing to qualified personnel.

The following caution label appear on your player.

Location: rear of the player

[FOR U.S. MODEL]

CAUTION

- Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
- The use of optical instruments with this product will increase eye hazard.

INFORMATION TO USER [FOR U.S. MODEL]

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- reorient the receiving antenna.
- relocate the equipment with respect to the receiver.
- move the equipment away from the receiver.
- plug the equipment into a different outlet so that equipment and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful:

How to Identify and Resolve Radio-TV Interference Problems.

This booklet is available from the U.S. Government Printing Office, Washington, D.C. 20402, Stock No. 004-000-00345-4.

The above instructions apply only to units which will be operated in the United States.

FEATURES

A CD player with a 4fs digital filter and twin D/A converter system for quality sound and functionality.

Has convenient function ideal for tape dubbing etc.

- **20-Step Random Programming (Add-on Program)**
  You can program the player to play a selection of tracks in any desired order. Furthermore, you can enter an add-on program during normal playback operation.
- **Auto Program Editing**
  If you specify a desired playback time, the tracks which can be played back in that time will be automatically programmed from track 1 in order.
- **Pause Programming**
  You can put pauses (temporary stopping of playing) into your programs, which is convenient for electronic accompaniment (karaoke) and tape editing.

Hi fidelity playback with high-performance pickup and linear servo system.

Individual direct track search of desired tune with 10 tune keys.

Other features

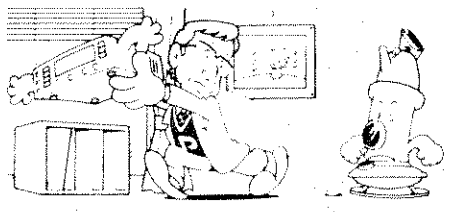
- **Repeat playing of all tracks or programmed tracks.**
- **Supplied with wireless remote control unit.**
- **Multi-functional fluorescent display can be used to display the elapsed time, the remaining time or the total playback time.**
- **Headphone Jack with Volume Control**
- **Highly durable honeycomb-structure chassis for reduced resonance.**
- **The actualization of stabilized playback due to the adoption of a disc stabilizer and the lowered center axis of the optical mechanism.**
- **High-performance 4fs digital filter and twin D/A converter system.**
- **Random Playback**
  Tracks from the inserted disc are played at random.
- **Compatible with 8cm CD Single**
  8cm CD Single can also be played.
- **TIMER START**
  If a disc is set on the disc tray beforehand, then, when power is turned ON or when activated by a TIMER, the player will automatically start playing from track 1.

CAUTIONS REGARDING HANDLING

LOCATION

Install the player in a well ventilated location where it will not be exposed to high temperature or humidity.

Do not install the player in a location which is exposed to direct rays of the sun, or near to hot appliances or radiators. Excessive heat can adversely affect the cabinet and internal components. Installation of the player in a damp or dusty environment may result in malfunction or accident. (Also avoid installation near cookers etc., where the player may be exposed to smoke from oil, steam or heat.)

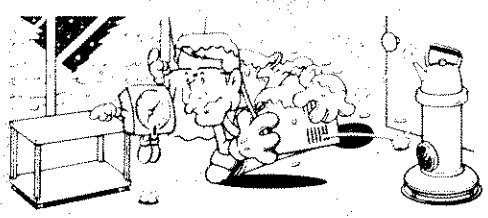


PRECAUTIONS REGARDING INSTALLATION

- Placing and using the compact disc player for long periods on heat-generating sources such as amplifiers will affect performance. Avoid placing the player on heat-generating sources.
- Install this compact disc player as far as possible from tuners and TV sets. A compact disc player installed in close proximity to such equipment may cause noise or degradation of the picture. Such noise may be particularly noticeable when an indoor antenna is used. In such a case, make use of an outdoor antenna, or turn off power to the compact disc player.

CONDENSATION

When the player is brought into a warm room from previously cold conditions or when the room temperature is suddenly increased, condensation may form inside and the player may not be able to attain its full performance. In cases like this, allow the unit to stand for about an hour or raise the room temperature gradually.



CARE OF DISCS

■ With this player, use discs which display the mark shown below. (Optical audio digital discs.)

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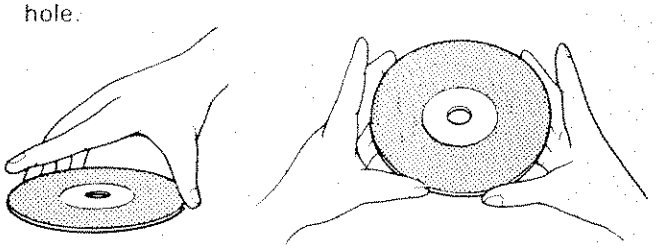
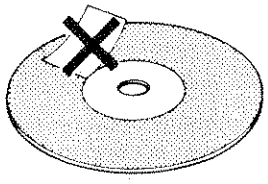
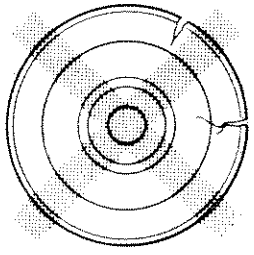
■ When holding discs, do not touch their signal surfaces. Hold the edges, or one edge and the center hole.



■ Do not affix labels or adhesive tape to the label surfaces. Also, do not scratch or damage the label.

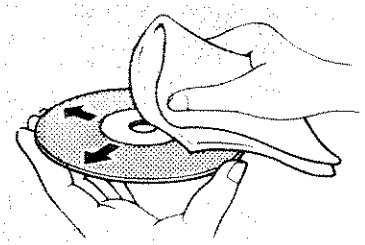


■ Discs rotate at high speed inside the player. Do not use damaged (cracked or warped) discs.

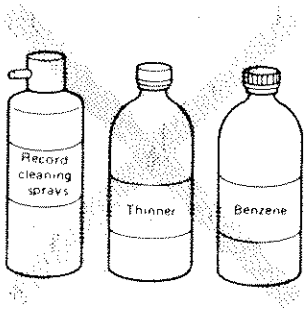


CLEANING DISCS

■ The presence of fingerprints or smudges on the surface of the disc will not directly affect the recorded signals; but depending on the degree of contamination, the brightness of the light reflected from the signal surfaces may be reduced, causing degradation of sound quality.
Always keep your discs clean by wiping them gently with a soft cloth from the inner edge toward the outer perimeter.

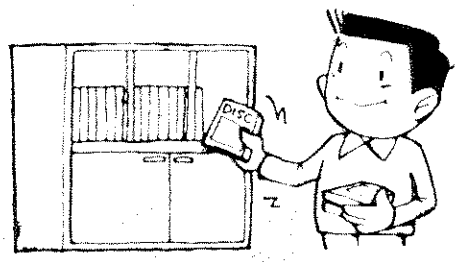


■ If a disc becomes very dirty, wet a soft cloth in water. After wringing it out well, wipe the dirt away gently, and then remove any water drops with another soft dry cloth.
■ Do not use record cleaning sprays of anti-static agents on discs. Also, never clean discs with benzene, thinner, or other volatile solvents which may cause damage to the disc surface.



STORING DISCS

■ Discs are made of the same kinds of plastic used for conventional analog audio records. Be careful not to allow discs to warp; always store discs in their cases vertically, avoiding locations with high heat or humidity, or extremely low temepratures. Avoid leaving discs in cars and on the seats being exposed to direct sunlight can be harmful.
■ Always read and abide by the precautionary notes listed on the disc labels.



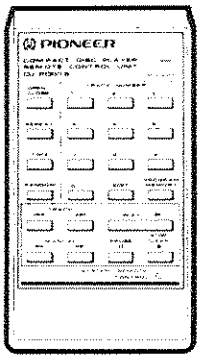
CLEANING THE PLAYER

To clean the front panel and unit housing, wipe with a soft, dry cloth. For stubborn dirt, wet a soft cloth with a mild detergent solution, wring well, then wipe off the dirt. Also use a dry cloth to wipe the surface dry. Do not use volatile liquids such as benzene and thinner which are harmful to the unit.

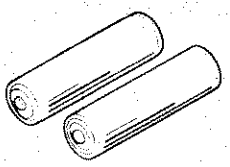
BEFORE OPERATING PLAYER

1. CONFIRM SUPPLIED ACCESSORIES

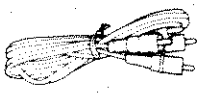
Remote control unit



Size AAA/R03 dry cell batteries × 2



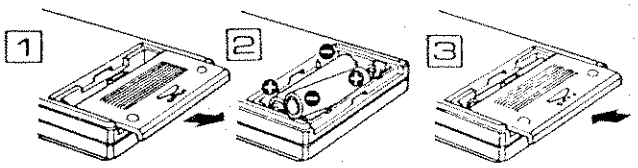
Output cable



NOTE:

- *The remote control unit and dry cell batteries are in the spacer (L) of the packing.*

2. PUT BATTERIES INTO REMOTE CONTROL UNIT



[1] Remove the cover of the battery compartment on the reverse side of the remote control unit. This can easily be done by pressing down on the cover with your thumb and pulling it in the direction of the arrow.

[2] Take out the two size "AAA" [IEC R03 (UM-4)] dry cell batteries supplied and load them into the battery compartment, taking care to follow the markings on the compartment.

[3] Replace the cover of the battery compartment.

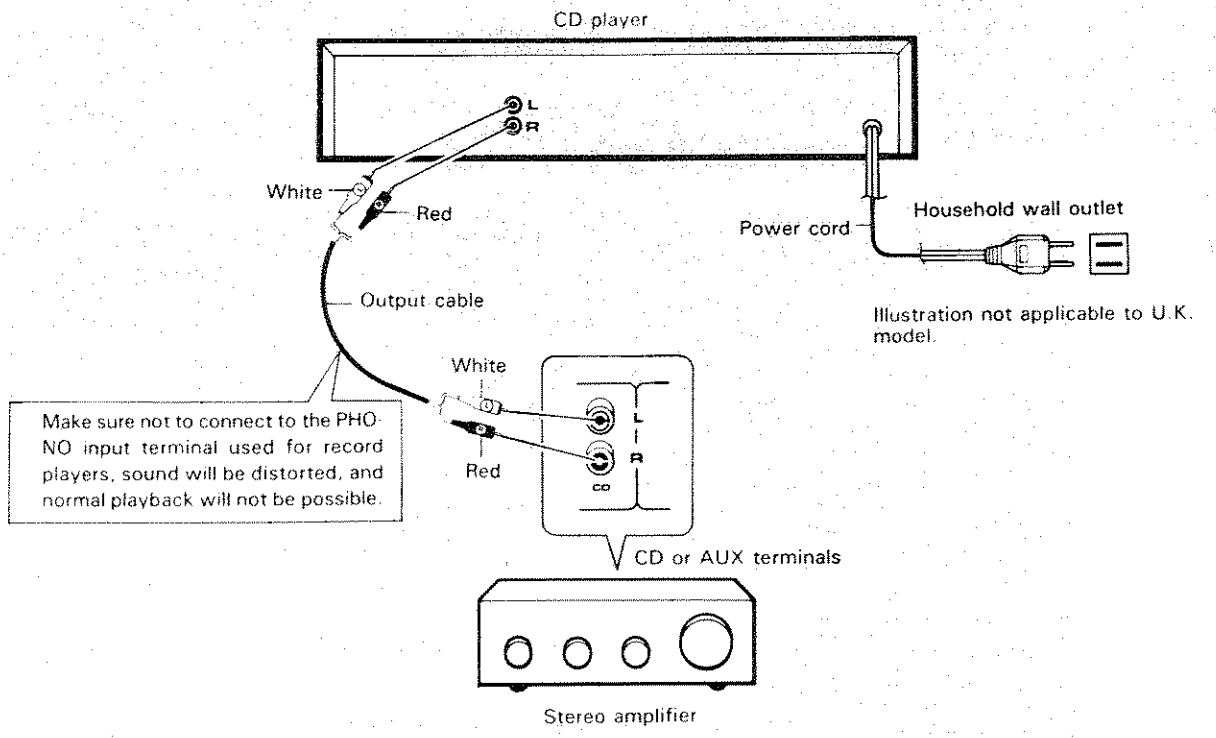
NOTE:

- *If the remote control unit will not be used for a long time (1 month or more), remove the batteries to avoid battery leakage. If fluid should ever leak from batteries, wipe away the fluid and then install new batteries.*
- *Do not put books etc. on top of the remote control unit. If keys are continuously depressed, the batteries will finished.*
- *If the operating range decreases, the batteries have probably finished. Replace with new batteries.*

Incorrect use of batteries may result in leakage of fluid, explosion of batteries and other dangers. Please pay particular attention to the following points.

- Please correctly install batteries so that the (+) and (−) battery polarity matches with the (+) and (−) markings inside the battery case.
- Do not use new batteries together with batteries which have already been used.
- The voltages of dry batteries may differ even though they are of the same size and shape. Do not use different types of dry batteries together.
- Batteries may be either rechargeable or non-rechargeable. Before using batteries please read the cautions and notes printed on them.

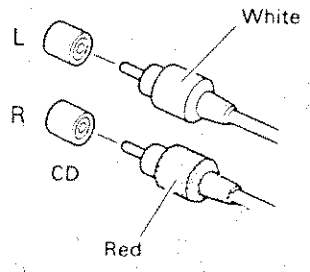
CONNECTIONS



Connecting the output cable

Connect the plugs of the cable to the input terminals of the amplifier (terminals marked CD or AUX), and to the output terminals of the compact disc player.

- Connect the white plugs to the left (L) terminals and the red plugs to the right (R) terminals.
- Make sure plugs are pushed fully into the terminals.



Connect the power cord

Insert the power cord plug into the auxiliary AC outlet of your amplifier unit, or into a household wall outlet.

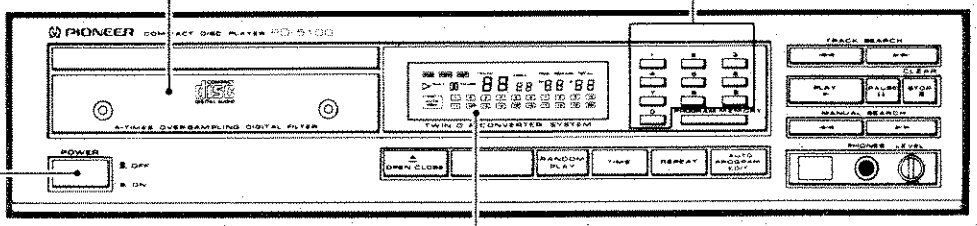
NAMES AND USE OF PARTS

FRONT PANEL

POWER switch
Press to turn power to the unit ON and OFF.
If there is a disc in the unit when power is turned ON, playback will begin automatically. (Timer start function)

Disc Tray
This is where the disc is set. When power is switched ON and the OPEN/CLOSE key is pressed, the tray is ejected forward.
To insert the tray, press the OPEN/CLOSE key, or lightly push the tray in with your finger. With the disc tray open, pressing the PLAY key will close the disc tray and start playback.

Track number keys (1 to 0)
- Use to specify track numbers (track 1 – track 99) for selection of tracks or program entry.
- Use to specify time (in minutes), during auto program editing.



Indicators

RND : Lights during random playback.
PGM : Lights after programming (after program has been memorized).
REP : Lights during repeat play.
▷ PLAY : Lights during playback.
▯▯ PAUSE : Lights during temporarily interrupted playback.
TRACK : Displays the current track number (during normal playback and programmed playback) or the track being programmed during programming operation. The lower figures light up in accordance with the number of tracks recorded on the disc, and the numbers of the tracks which have been played are deleted in order. (During programmed playback only the programmed tracks light.)
INDEX : Displays the index * number of the music section of a track or the track division.
TIME/REMAIN/TOTAL : Changes each time the TIME key is pressed.

- TIME : Displays the track number of the track being played (TRACK) and the elapsed time (minutes and seconds).
- REMAIN : Displays the remaining time on the track being played.
  When the TIME key is pressed again, the remaining time on the disc will be displayed.
- TOTAL : Displays the total number of tracks on the disc (TRACK) and the overall playback time (minutes and seconds).
  During playback, the display goes on for about 5 seconds before changing to the TIME display.

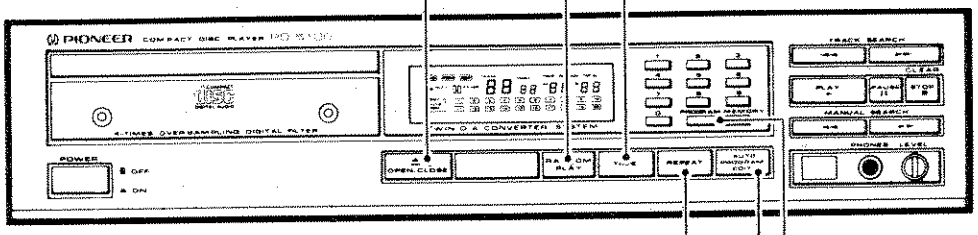
M (minute) : Displays the minutes of the elapsed time, total playback time, and remaining time.
S (second) : Displays the seconds of the elapsed time, total playback time, and remaining time.
AUTO PGM EDIT : Lights during editing.

* The INDEX is a signal which is recorded within a track to indicate division of the track into separate tunes and items of music.

RANDOM PLAY key
Press to begin random playback.

OPEN/CLOSE key (⏏)
Press when you wish to eject or load a disc. Each time the key is pressed, the tray is alternately pushed out or pulled in.

TIME key
This key selects the display mode of the indicator panel.
Each time the key is pressed, the indication changes from TIME, REMAIN, to TOTAL in that order. (For details concerning the display contents, refer to the explanation about the indicators.)



REPEAT key
Press to perform repeat playback
- If pressed during normal playback mode, all tracks on the disc will be repeatedly played back.
- If pressed during programmed playback, the programmed tracks will be repeatedly played back in the programmed order.
- In the case of random play mode, after all the tracks have been played, random play will start again.

AUTO PROGRAM EDIT key
Press to program a tune which may be played back within a specified time.

PROGRAM MEMORY key
Use to program a sequence of tracks.
- Press this key after selecting a desired track with the track number keys. Tracks will be added to the program in the order in which they are selected.

TRACK SEARCH keys
During normal playback, programmed playback or pause modes, these keys are pressed to search for the desired track. Pressing either key causes the player to advance to the next track or to return to the previous track. Even in stop mode, these keys can be used to select the desired track. Press the PLAY key to playback the desired track.

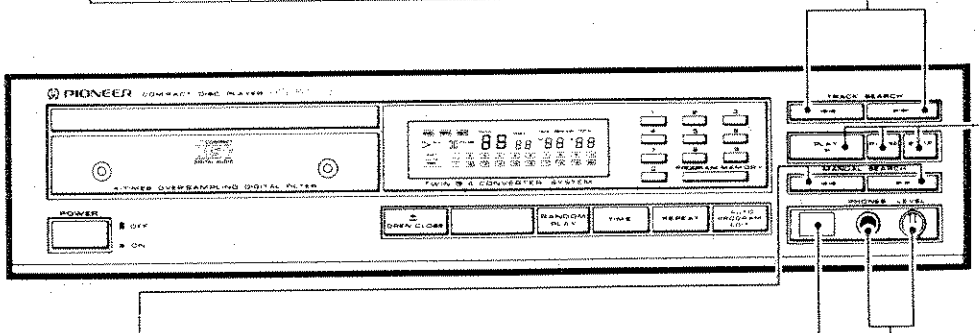
[▶▶|] : When pressed once, playback advances to the beginning of the next track on the disc; when pressed continuously, playback advances to the beginning of succeeding tracks on the disc. (During programmed playback, it advances to the beginning of the next programmed track.)

[|◀◀] : When pressed once, playback returns to the beginning of the currently playing track; when pressed continuously, playback shifts to the beginning of previous tracks on the disc. (During programmed playback it returns to the beginning of the previous programmed track.)

STOP/CLEAR key (■)
Press to stop playback. When pressed, the player goes into stop mode and all operations stop.
Press to clear a program. When pressed during stop mode, the program stored in memory is cleared.

PAUSE key (▮▮)
Press to temporarily interrupt playback. When pressed again, the pause mode is cancelled and playback resumes.

PLAY key (▶)
Press to begin playback, and to cancel the pause mode.



MANUAL SEARCH keys
When the player is in playback or pause modes, these keys are pressed to perform fast forward or reverse operations to allow manual searching. These operations are only carried out during the time either key is pressed.

[▶▶] : For fast forward operation. If the end of the disc is reached during fast forward operation, "End" will be displayed and the player will enter the pause mode. (During programmed playback, the player will enter the pause mode right before it reaches the next track (program step).)

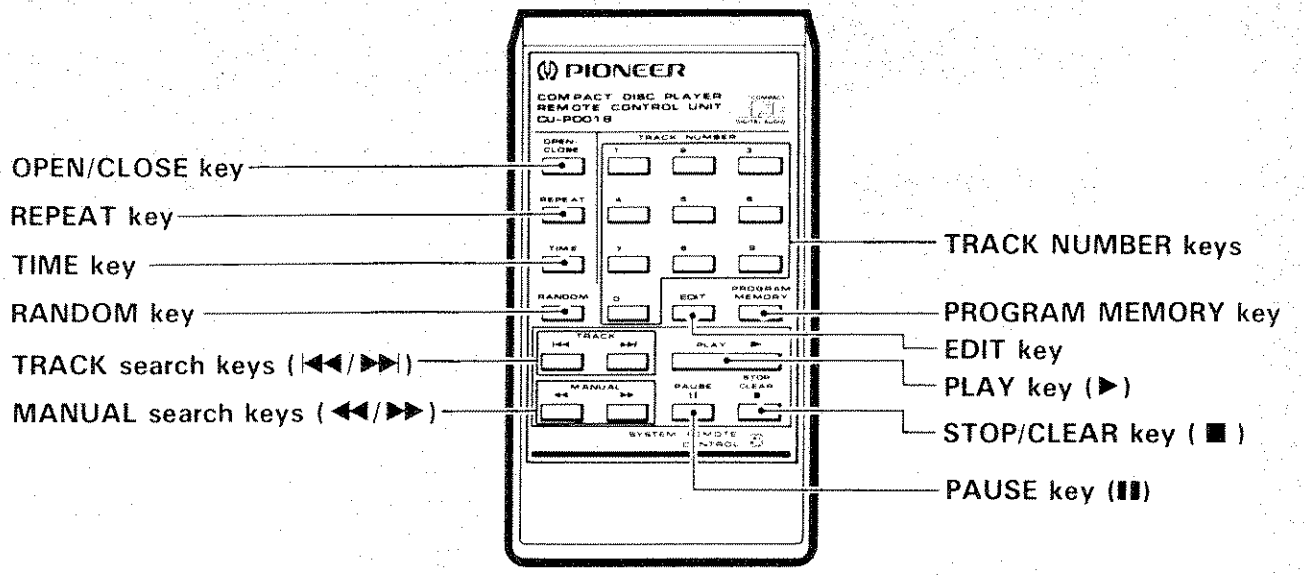
[◀◀] : For fast reverse operation. If the beginning of the disc is reached during fast reverse operation, the player will enter the playback mode. (During programmed playback, the player will enter the playback mode right before it reaches the previous track (program step).)

Remote sensor

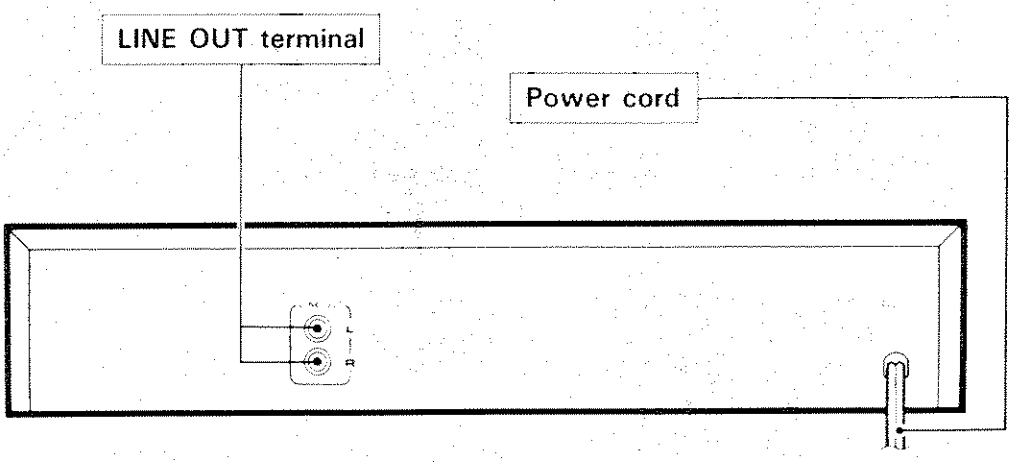
PHONES (headphones) jack
When you wish to use headphones, insert the plug for the headphones into the headphone jack.

PHONES LEVEL control knob
Use to adjust the level of sound when using headphones. Turning the knob to the right increases the sound level.

REMOTE CONTROL UNIT

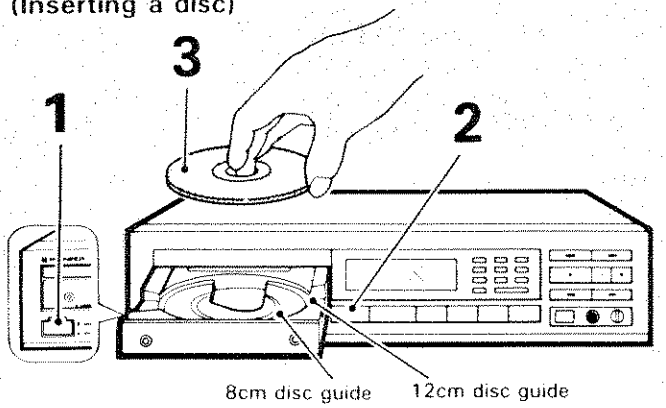


REAR PANEL



OPERATION

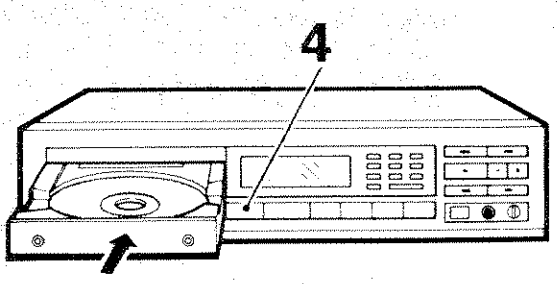
OPERATION PROCEDURES BEFORE PLAYBACK (Inserting a disc)



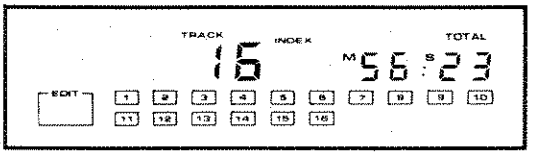
1. **Press the POWER switch to turn ON power.**
2. **Press the OPEN/CLOSE key.**
   The disc tray will be ejected forward.
3. **Place a disc on the disc tray.**
   Insert the disc on the tray while following the respective disc guide (8cm or 12cm disc guide), as shown in the figure.

NOTE

- *When setting an 8cm CD single, don't use the 8cm CD single adapter.*
- *Make sure to place the disc on the tray with the label side upward.*
- *Hold the disc so that you do not touch the playing side (the iridescent side) with your hands or fingers.*
- *If both 8cm and 12cm discs are inserted and played simultaneously, the disc may be scratched or malfunction may result. Insert only one disc at a time.*

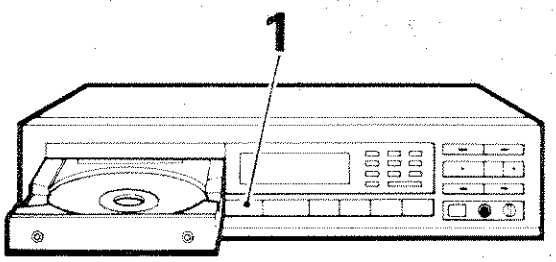


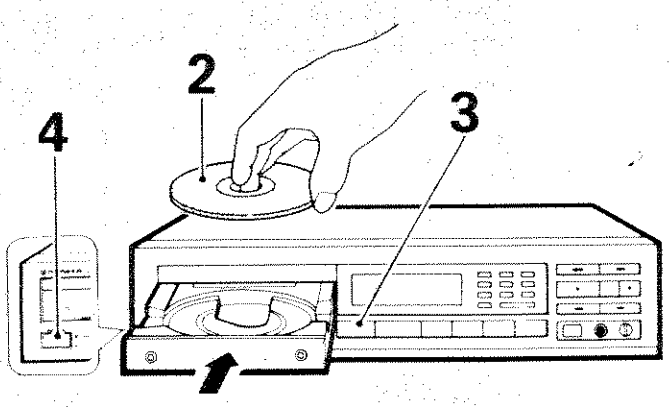
4. **Push the disc tray into the player.**
   Press the OPEN/CLOSE key, or gently push the disc tray in with your fingers.
   After insertion of the disc tray, the total number of tracks on the disc and the total playback time will be displayed for 5 seconds.



5. **Set your stereo amplifier controls for compact disc playback.**
   (For details refer to the operating instructions of your stereo amplifier.)

PROCEDURES AFTER PLAYBACK (Removal of disc)



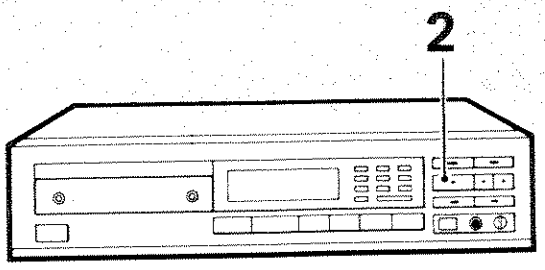


1. **Press the OPEN/CLOSE key and eject the disc tray.**
2. **Remove the disc and put it into its case.**
   Be careful not to touch the playing side.
3. **Press the OPEN/CLOSE key, or gently push the disc tray in with your fingers.**
4. **Press the POWER switch to turn OFF power.**

- The key operations explained here may be carried out using either the keys on player or on the remote control unit.
- The indicators are shown for a case in which the TIME setting is used.

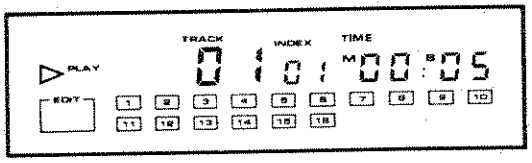
OPERATIONS FOR NORMAL PLAYBACK

Playback of all tracks, from the first track to the last track.



1. **Carry out "PROCEDURES BEFORE PLAYBACK", and insert a disc.**
2. **Press the PLAY key.**
   The PLAY indicator will light and playback will begin.

   Shows the elapsed time of current playback and the track number.

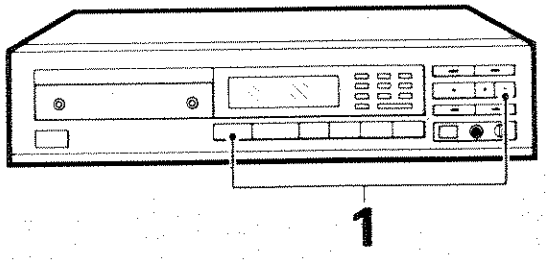


3. **Adjust sound volume and tone with the stereo amplifier controls.**
   When the last track finishes playing, the player enters stop mode. All operations stop and the player stops at the position of the first track number and displays "01".
4. **After finishing playback, carry out the "PROCEDURES AFTER PLAYBACK".**

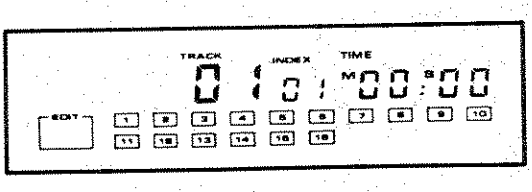
Operation example

- To start playback:
  [POWER] → [OPEN/CLOSE] →Set disc→ [PLAY]
- After playback is completed:
  [OPEN/CLOSE] →Remove disc→ [OPEN/CLOSE] → [POWER]

TO STOP PLAYBACK

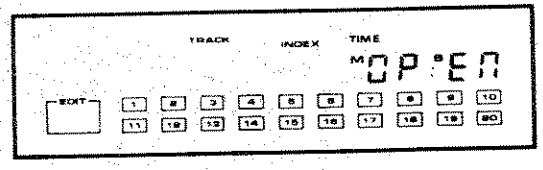


1. **Press the STOP/CLEAR key or the OPEN/CLOSE key.**
   - When the STOP/CLEAR key is pressed, the player enters the stop mode, and all operations stop. When stopped in the normal playback mode, the first track number is displayed on the indicator; when stopped during programmed playback, the first track number of the program will be displayed. If a program is in memory, pressing the STOP/CLEAR key again will clear the program.

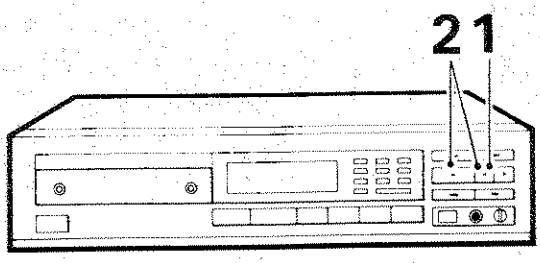


[STOP/CLEAR] or [OPEN/CLOSE]

- When the OPEN/CLOSE key is pressed, the disc tray is ejected.



PAUSE OPERATION

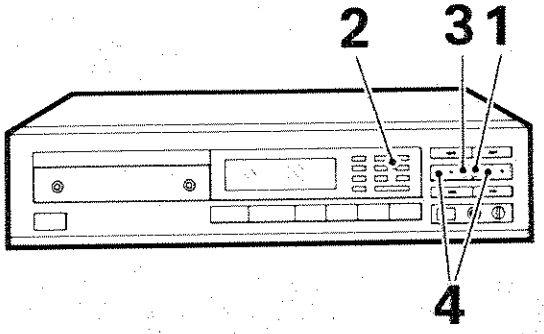


1. **With the player in the playback mode, press the PAUSE key.**
   The PAUSE indicator will light, and the player will pause immediately.
2. **To resume playback, press the PAUSE key again, or the PLAY key.**

Operation example

- To temporarily stop playback:
  [PAUSE]
- To resume playback:
  [PAUSE] or [PLAY]

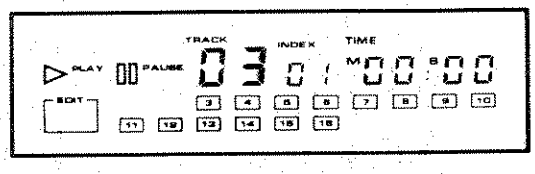
TO PAUSE AT THE BEGINNING OF A TRACK



1. **Press the PAUSE key.**
2. **Select a track with the track number keys.**
3. **Press the PLAY key.**
   The player will pause at the beginning of the specified track.
4. **To start playback, press the PAUSE key or the PLAY key.**

Operation example

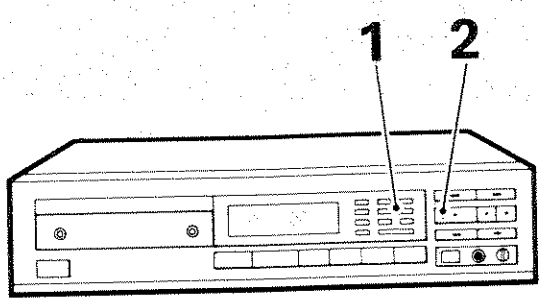
- To pause at the beginning of the 3rd track:
  [PAUSE] → [3] → [PLAY]



- To start playback:
  [PAUSE] or [PLAY]

TO START PLAYING BACK FROM A DESIRED TRACK (DIRECT TRACK SEARCH OPERATION)

Playback will begin from the track selected by specifying the track number, and will continue to the last track on the disc.



1. **When playback is not in progress, select the desired track number with the track number keys.**
2. **Press the PLAY key to begin playback.**
   In playback mode the selected number is cancelled after about 4 seconds, so press the PLAY key within 4 seconds.

NOTE:

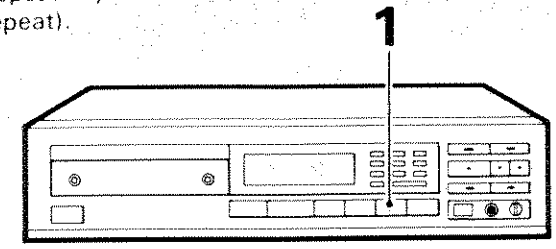
- *When a track number of a track not on the disc is selected, playback starts from the first track.*
- *Performing these operations during programmed playback, causes the program to be cleared.*
- *Playback from a selected track is not possible when memorizing a program.*

Operation example

- To playback the 3rd track:
  [3] → [PLAY]
- To playback the 12th track:
  [1] [2] → [PLAY]

OPERATIONS FOR REPEAT PLAYBACK

- During normal playback, all tracks on the disc will be played back repeatedly (all track repeat).
- During programmed playback, the tracks programmed will be played back repeatedly in the order programmed (programmed repeat).
- When the RANDOM PLAY key is ON during normal playback, after all the tracks on the disc are played at random, the tracks will be played again at random. (Random repeat)



1. **With the player in the playback or stop mode, press the REPEAT key.**
   The repeat (REP) indicator will light.
2. **When the last track has been played back, playback will begin again from the first track.**
   Playback will be repeated until repeat playback is cancelled.

[REPEAT] → [PLAY] or [PLAY] → [REPEAT]

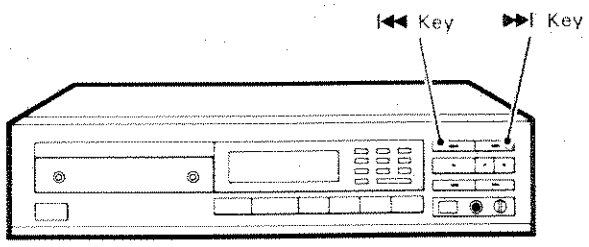
■TO CANCEL THE REPEAT MODE

- Press the REPEAT key once again. The repeat (REP) indicator will go out, and the player will revert to the normal (or programmed) playback mode.
- Press the STOP/CLEAR key or OPEN/CLOSE key. Playback will stop and the repeat mode will be cancelled simultaneously.

[REPEAT] or [STOP/CLEAR] or [OPEN/CLOSE]

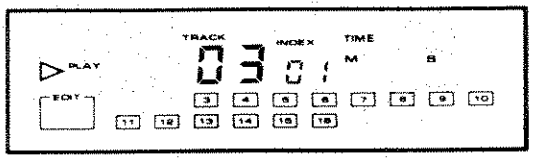
TO LOOK FOR A DESIRED TRACK (TRACK SEARCH OPERATIONS)

During normal or programmed playback, or during the pause mode, these functions allow you to quickly find the beginning of a desired track. Also, any number of tracks can be skipped during the search process.



- When the [▶▶|] key is pressed once, playback advances to the beginning of the next track. When pressed continuously, playback advances to the beginning of succeeding tracks. (During programmed play, playback advances to the beginning of the next programmed track.)
- When the [|◀◀] key is pressed once, playback returns to the beginning of the currently playing track. When pressed continuously, playback shifts to previous tracks on the disc. (During programmed playback, playback returns to the previous programmed tracks.)

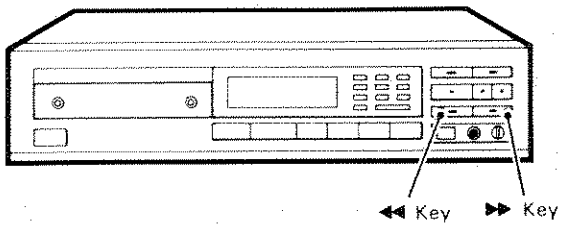
During search operation, the number of the track being searched for will be displayed on the indicator. This allows you to monitor the progress of the search operation.



(During normal playback)

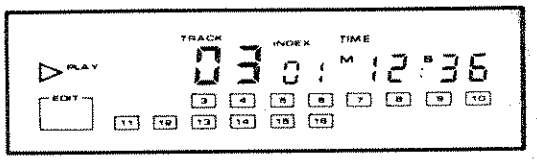
FAST FORWARD AND REVERSE (MANUAL SEARCH OPERATIONS)

During playback or pause modes, this function allows you to quickly advance or reverse through the disc to find a desired track. Listen to the sound from your speakers or headphones connected to your amplifier while performing the search (during playback mode only). When the key is released the player returns to its original mode (playback or pause). During pause, high-speed search is possible. However, no sound will be output.



- When the [▶▶] key is pressed, the player will advance quickly through the disc. If the end of the disc is reached, the player will enter the pause mode. (The indicator will display "End".)
  The pause mode can be cancelled by pressing the [◀◀] key.
- When the [◀◀] key is pressed, the player will reverse quickly through the disc. If the beginning of the disc is reached, the player will enter the playback mode.

  During search operation the elapsed time will be displayed. Watch this display during search operation.



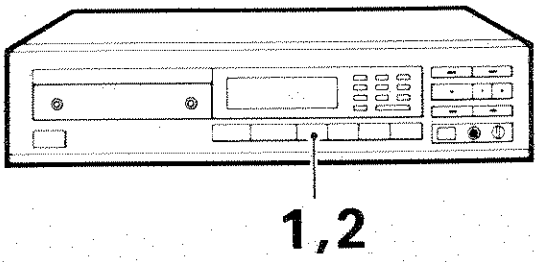
(During normal playback)

NOTE:
During programmed playback, you can only do forward and reverse searches within the song currently being played; the player enters the pause mode immediately before moving to the next (or previous) track. Play can be restarted by pressing the PLAY or PAUSE key.

RANDOM PLAYBACK

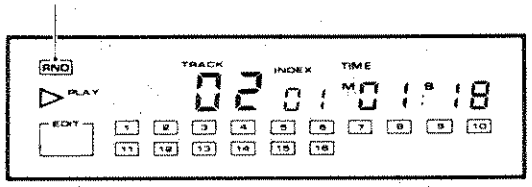
- Each track of the disc set will be played at random. After all the tracks have been played, the player will go in stop mode.

[RANDOM PLAY]



1. **Press the RANDOM PLAY key.**
   Random playback will begin.

The RND (random) indicator will light.



2. **Pressing the RANDOM PLAY key once more will have the player select a track at random for playback.**

When REPEAT mode is ON:
Random playback will be repeated.

To cancel random playback operation

[STOP/CLEAR] or [OPEN/CLOSE]

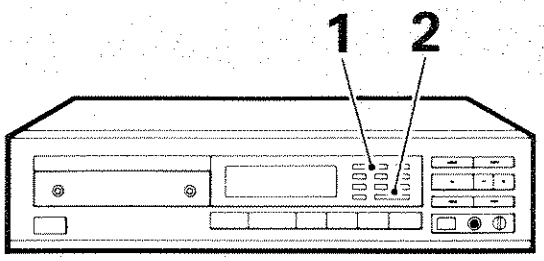
- Press the STOP/CLEAR key or the OPEN/CLOSE key. Playback will stop and random playback operation will be cancelled simultaneously.
- Performing direct track search operations during random playback will cancel the random playback mode.

TO PLAYBACK TRACKS IN A DESIRED ORDER (PROGRAMMED PLAYBACK)

■ With this function, you can play back the tracks on a disc in any desired order.

■ You can select track numbers from 1 to 99, and program a playback sequence consisting of up to 20 steps.

Memorizing a program

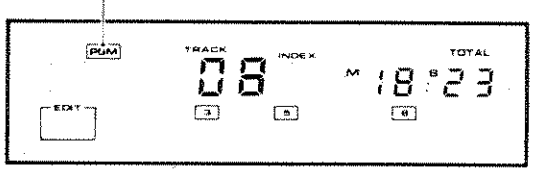


1. **During stop mode or playback mode, select a track with the track number keys.**
2. **Press the PROGRAM MEMORY key.**
3. **Repeat procedures 1 and 2.**

   Repeat the above operations for each track you want to be memorized, in the order in which you want the tracks to be played. The player can play back a sequence of up to 20 steps.

   Each time you program a track, number of the programmed track, and the total time are displayed on the indicator.
   Furthermore, when you program a track during playback, a display appears for just 5 seconds. The total playback time of the program will not be displayed if the total playback time exceeds 100 minutes or if the program contains more than 29th track.

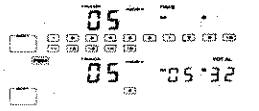
The PGM (program) indicator lights.



Operation example

To playback track 5, track 3 and track 8

● Enter in the following program:

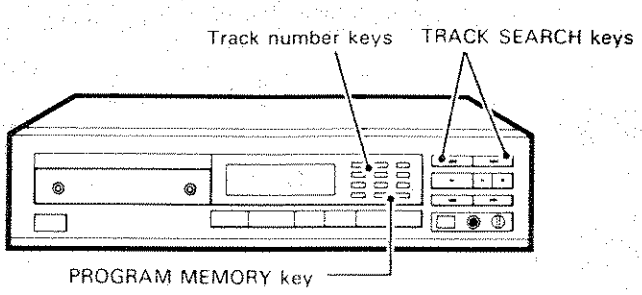
Step	Key operations	Indicator display
01	[5] PROGRAM MEMORY	
02	[3] PROGRAM MEMORY	
03	[8] PROGRAM MEMORY	

● In the above example, tracks 5, 3, and 8 are programmed as steps 1, 2, and 3 respectively. The total playback time of this program is 18 minutes and 23 seconds.

■ When the disc tray is open:

Programs can be entered to memory. Although the programming procedure is the same as described above, the indicator displays programmed information step-by-step. When the disc tray is closed with a disc loaded, any programmed tracks not on the disc will be deleted automatically from the program.

Adding to a program



New steps can be added until the total number of steps is equal to 20. This can also be done during programmed playback.

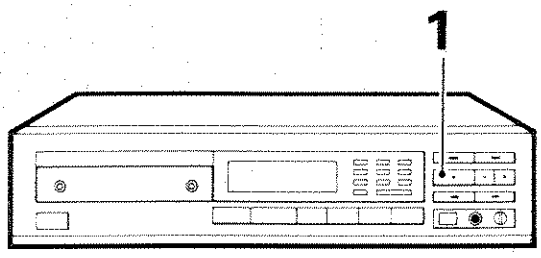
Operation example

- Adding to a program:
  (To add track 10 and track 2 to a program.)

Step	Key operations	Indicator display
04	[1] [0] [PROGRAM MEMORY]	10 10 26:03
05	[2] [PROGRAM MEMORY]	02 02 32:41

- In the above example, tracks 10 and 2 has been added as steps 4 and 5 respectively. The total playback time of the program is 32 minutes and 41 seconds.

Playback



1. **Press the PLAY key to begin programmed playback.**
2. **Playback ends.**
   When the last programmed track finishes playing, the player enters stop mode. (All operations stop, and the player stops at the position of the first programmed track.)

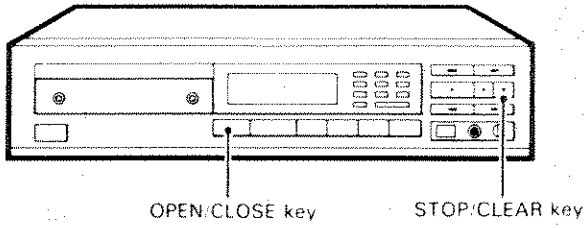
■ When the repeat playback function is on:
When the last programmed track finishes playing, the player returns to the first programmed track, and repeats programmed playback.
Repeat playback will continue in this way until the REPEAT key is pressed once again, or the STOP/CLEAR key is pressed.

Operation example

- To start playback:
  [PLAY]

(Play 5th, 3rd, 8th, 10th and 2nd programs in that order)

Cancellation of programmed playback and clearing a program



- Pressing the OPEN/CLOSE key will cause playback to stop and the program stored in memory will also be cleared.
- Pressing the STOP/CLEAR key will cause playback to stop. In this case the program stored in memory will not be cleared. To clear the program, press the STOP/CLEAR key once more.
- If operations for direct track search are carried out, the program will be cleared.

Operation example

- To stop playback:
  [OPEN/CLOSE] or [STOP/CLEAR]
- To clear a program:
  [OPEN/CLOSE] or
  [STOP/CLEAR] → [STOP/CLEAR]
  (Cancellation of playback) (Clearing a program)

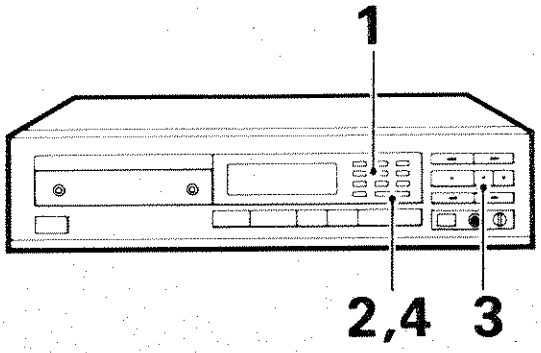
TO PROGRAM A PAUSE OPERATION

During programmed playback, these operations cause the player to pause at the beginning of tracks for which a pause has been specified.

[Application Example 1.]
When recording on both sides of a cassette tape, programming for a pause to occur after the completion of the last track, before the first side of the tape runs out, will enable recording of the next track to begin, after the tape has been turned over.

[Application Example 2.]
When recording on tape, programming for pauses to occur between tracks, will allow blank intervals or narration to be recorded on the tape, after which recording can be resumed.

Memorizing a pause program



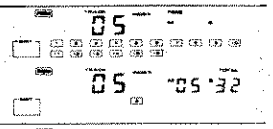
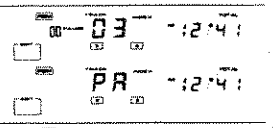
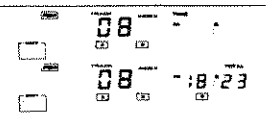
1. **During stop mode, select a track with the track number keys.**
2. **Press the PROGRAM MEMORY key.**
3. **Press the PAUSE key.**
   Perform procedures 3 and 4 to insert a pause at the beginning of the track selected after procedure 4. A pause is counted as a program step.
4. **Press the PROGRAM MEMORY key.**
   To enter another track into the program, repeat procedures 1 and 2 above. During playback, there will be a pause at the beginning of this track.
5. **Repeat procedures 1 to 4.**
   Up to 20 steps can be programmed.

NOTE:
A pause cannot be programmed for step 1 (01), and it cannot be programmed for two consecutive steps.

Operation example

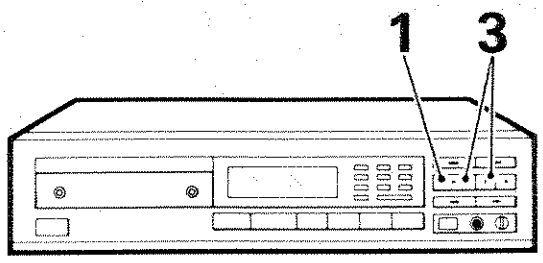
This is to program the player to playback track 5, track 3, and track 8, and to pause at the beginning of track 8 after playing back track 3.

- Enter the program:

Step	Key operations	Indicator display
01	[5] [PROGRAM MEMORY]	
02	[3] [PROGRAM MEMORY]	
03	[PAUSE] [PROGRAM MEMORY]	
04	[8] [PROGRAM MEMORY]	

- In the above example, track 5 is programmed as step 1, track 3 as step 2, a pause as step 3, and track 8 as step 4. The total playback time of the three tracks is 18 minutes and 23 seconds.

Method of playback



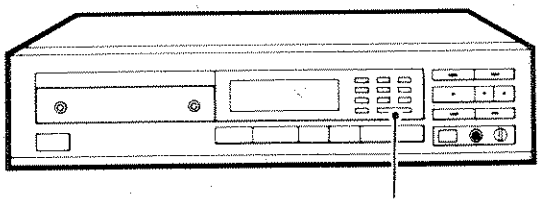
1. **Press the PLAY key to begin playback.**
2. **The player will pause in the beginning of the track for which a pause has been specified.**
3. **To resume programmed playback, press the PLAY key or the PAUSE key.**

Operation example

- To start and resume playback:
  [PLAY] : Player pauses after playing track 3. The pause can be used to turn over the cassette tape or other external operations.
  [PLAY] or [PAUSE] : Player resumes programmed playback.

TO CHANGE TO PROGRAMMED PLAYBACK DURING PLAYBACK (ADD-ON PROGRAM)

When a program is memorized during normal playback, the player automatically changes to programmed playback after finishing playback of the current track. However, if the PLAY key is pressed during playback, the player immediately changes to programmed playback.

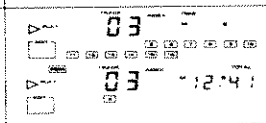
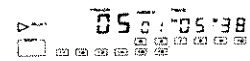
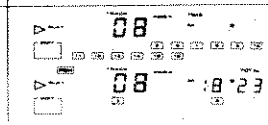


PROGRAM MEMORY key

Operation example

During playback of track 5, program track 3 and track 8, and change to programmed playback.

- To memorize the program:

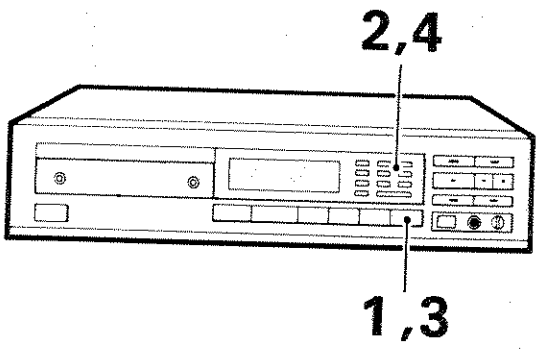
Step	Key operations	Indicator display
01	[3] [PROGRAM MEMORY]	
After 5 seconds		
02	[8] [PROGRAM MEMORY]	

- To start programmed playback:
  After track 5 finishes playing, programmed playback will begin automatically, or you may press the PLAY key.

PROGRAMMING TRACKS WHICH CAN BE PLAYED BACK WITHIN A DESIRED TIME (Auto program editing)

After the desired playback time has been determined, this function automatically programs the player so that tracks which can be played back within the specified time are automatically played back in order from the first track. This is convenient for recording on tape.

Programming from track 1



1. **During stop mode, press the AUTO PROGRAM EDIT key.**
2. **Specify the time (in minutes) with the track number keys.**

   The tracks which can be played back within the specified time will be automatically programmed from track 1 in order.

To enter another program ...

3. **Press the AUTO PROGRAM EDIT key.**
4. **Use the track number keys to specify the time (in minutes).**

   A pause will be entered automatically after the last track programmed in steps 1 and 2. The following tracks will be programmed to playback within the specified time.
   The indicators will display the number of the last programmed track and the total playing time.

NOTE

- *To specify a time of 10 minutes or more, press the track number keys in succession within 2 seconds. If you take more than 2 seconds to press the keys, the specified time will be less than 10 minutes.*
- *It is not possible to program beyond 29th track. Therefore, even if the total playback time up to the 29th track does not reach the specified time period, the program will end after the 29th track.*
- *Correct programming may not be possible in the case of a disc with more than 20 tracks.*
- *If even a single track cannot be played back within the specified time, a program is not created. At such time, "00:00" will be displayed. Press the AUTO PROGRAM EDIT key once more, then input a programmable time.*
- *Auto programming is possible up to a maximum of 20 steps.*

Operation example

To record 10 tracks on a C46 cassette tape (which can record for 23 minutes per side), from a compact disc which plays for 43 minutes 27 seconds, we will program the player to play in order the tracks starting from track 1 that can be played for 23 minutes, and then to play the remaining tracks that can be played in 23 minutes.

Key operations	Indicator display
[AUTO PROGRAM EDIT]	01
[2] [3]	23:00
After 0.8 seconds	05 22:20

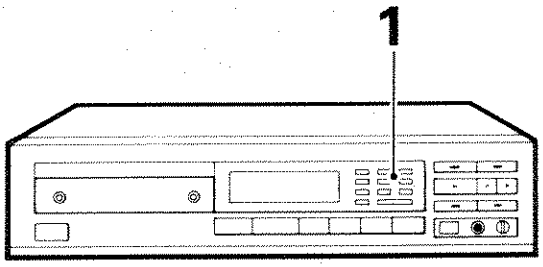
Tracks 1 to track 5 are programmed to play back in 22 minutes and 20 seconds.

[AUTO PROGRAM EDIT]	06
[2] [3]	23:00
After 0.8 seconds	10 21:07

After programming the pause, track 6 to track 10 are programmed to play back in 21 minutes and 07 seconds.

To program from a desired track

1. **Select the track number with the track number keys.**
2. **The following operations are the same as steps 1–4 of "Programming from track 1".**



Operating example

Program to play back the tracks which can be played in 23 minutes starting from track 6.

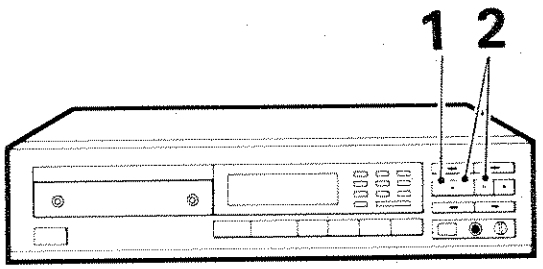
Key operations	Indicator display
[6]	
[AUTO PROGRAM EDIT]	
[2] [3]	
After 0.8 sec	

Track 6 to track 10 are programmed to be played back in 21 minutes and 07 seconds.

Cancellation of auto program mode

Press the STOP/CLEAR key or the AUTO PROGRAM EDIT key before specifying a time.

Method of playback



1. **Press the PLAY key.**
   After playing back the first programmed tracks, the player will enter pause mode.
2. **Press the PLAY key or the PAUSE key.**
   Playback will start from the beginning of the seocnd set of tracks that were programmed.

Operation example

- To start playback:

[PLAY] : Plays back track 1 – track 5 and then pauses.

[PLAY] or [PAUSE] : Plays back track 6 to track 10.

Stopping playback, and clearing a program

Use the same operations as for ordinary programmed playback.

TIMER START

If a disc is set on the disc tray beforehand, then the player will automatically start playing from track 1 of the disc when the power is turned on.
The player can be made to start playing from a specified time if use is made of an audio timer.

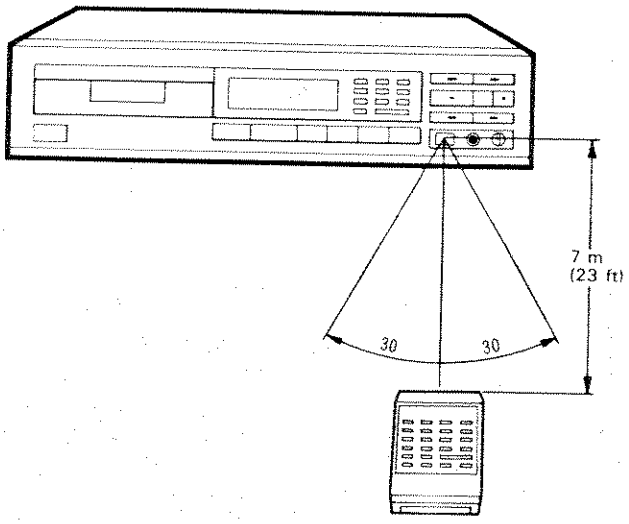
NOTE

- *When using an audio timer, leave the POWER switch of the player turned ON.*
- *If you operate the player by pressing any of the function keys before timer start, timer start will not occur.*

CAUTIONS REGARDING USE OF REMOTE CONTROL UNIT

If use is made of the supplied remote control unit, operation from a distance is possible.
To use the remote control unit, aim it at the remote sensor.
The remote control unit can operate over a range of about 7 m (23 ft), within angles of 30 degrees left and right.

- Even when the remote control unit is operated within the specified operating range, operation may not be successful if there are obstacles in the way, or if the angle is too great.
- Using the equipment near a device which emits infrared rays, or using another remote control unit which emits infrared rays, may result in misoperation. Conversely, use of the remote control unit when another device controlled by means of infrared rays is being used, may cause misoperation of that device.
- The life of the batteries used in the remote control unit will vary greatly depending on operating conditions, however when they begin to finish, the operating range will be reduced. When commands fail to be accepted when keys on the remote control unit are pressed, or when the operating range is greatly reduced, please replace the batteries.



TROUBLESHOOTING

Incorrect operations are often mistaken for trouble and malfunctions. If you think that there is something wrong with this component, check the points below. Sometimes the trouble may lie in another component. Investigate the other components and electrical appliances being used.
If the trouble cannot be rectified even after exercising the checks listed below, ask your nearest PIONEER authorized service center or your dealer to carry out repair work.

Symptom	Probable cause	Remedy
Disc tray is not expelled when OPEN/CLOSE key is pressed.	• Power plug is disconnected from outlet. • POWER switch is OFF.	• Connect plug to stereo amplifier or wall outlet. • Press POWER switch ON.
When playback is started, it stops immediately. **Pauses or stops playback**	• Disc is loaded upside down. • **Contaminated disc, etc.**	• Load the disc correctly with the label side UP. • **Press the PLAY or PAUSE key.**
No sound.	• Output cords are connected incorrectly or loosely. • Incorrect operation of stereo amplifier. • Player is in pause mode.	• Connect properly. • Check the settings of stereo amplifier switches and sound volume controls. • Press the PLAY key.
Sound is distorted, noise is output.	• Incorrect connections. • Pin plugs or amplifier input terminals are dirty. • Interference is being picked up from a TV set.	• Connect to amplifier's CD or AUX terminals etc. Do not connect to PHONO input terminals. • Clean away dirt. • Switch OFF TV set, or move player away from TV set.
With certain discs, loud noise is produced, or play stops.	• Disc is badly scratched or warped. • Disc is extremely dirty.	• Replace the disc. • Clean disc.
Cannot operate player with remote control unit.	• Batteries have finished. • Remote control unit is too far away from player, or angle is wrong. • There is an obstracle between remote control unit and player.	• Replace batteries. • The operating range of the remote control unit is up to about 7 m from, and within angles of 30 degrees left and right of the sensor window on the player. • Operate the remote control unit from a different position, or remove the obstracle.

SPECIFICATIONS

1. General

Type ..... Compact disc digital audio system
Usable discs ..... Compact Disc
Signal format ..... Sampling frequency: 44.1kHz
Quantized bit number: 16 bit linear
Power requirements
European models ..... AC 220V, 50/60Hz
U.K., Australian models ..... AC 240V, 50/60Hz
U.S., Canadian models ..... AC 120V, 60Hz
Other models ..... AC 110/120–127/220/240V (switchable), 50/60Hz
Power consumption 13W
Operating temperature ..... +5°C – +35°C (+41°F – +95°F)
Weight 3.9kg (8lb, 9oz)
External dimensions .. 420(W) × 315(D) × 98(H)mm
16-9/16(W) × 12-3/8(D) × 3-7/8(H)in

2. Audio section

Frequency response ..... 4Hz – 20kHz (±0.5dB)
S/N ..... 102dB or more (EIAJ)
Dynamic range ..... 92dB or more (EIAJ)
Channel separation ..... 95 dB or more (EIAJ)
Output voltage ..... 2.0V ±0.3V (EIAJ)
Wow and flutter ..... Limit of measurement (±0.001% W. PEAK) or less (EIAJ)
Number of channels ..... 2 channels (stereo)

3. Functions

- Play
- Pause
- Manual search
- Programmed playback
- Track search
- Programmed repeat
- Pause program
- Direct track search
- Direct programming
- All track repeat
- Add-on program
- Auto programmed editing
- Random play

The above functions can be operated with the remote control unit.

- Timer start

4. Accessories

- Remote control unit 1
- Size AAA/R03 dry cell batteries 2
- Output cable 1
- Operating instructions 1

NOTE:
The specifications and design of this product are subject to change without notice, due to improvements.

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